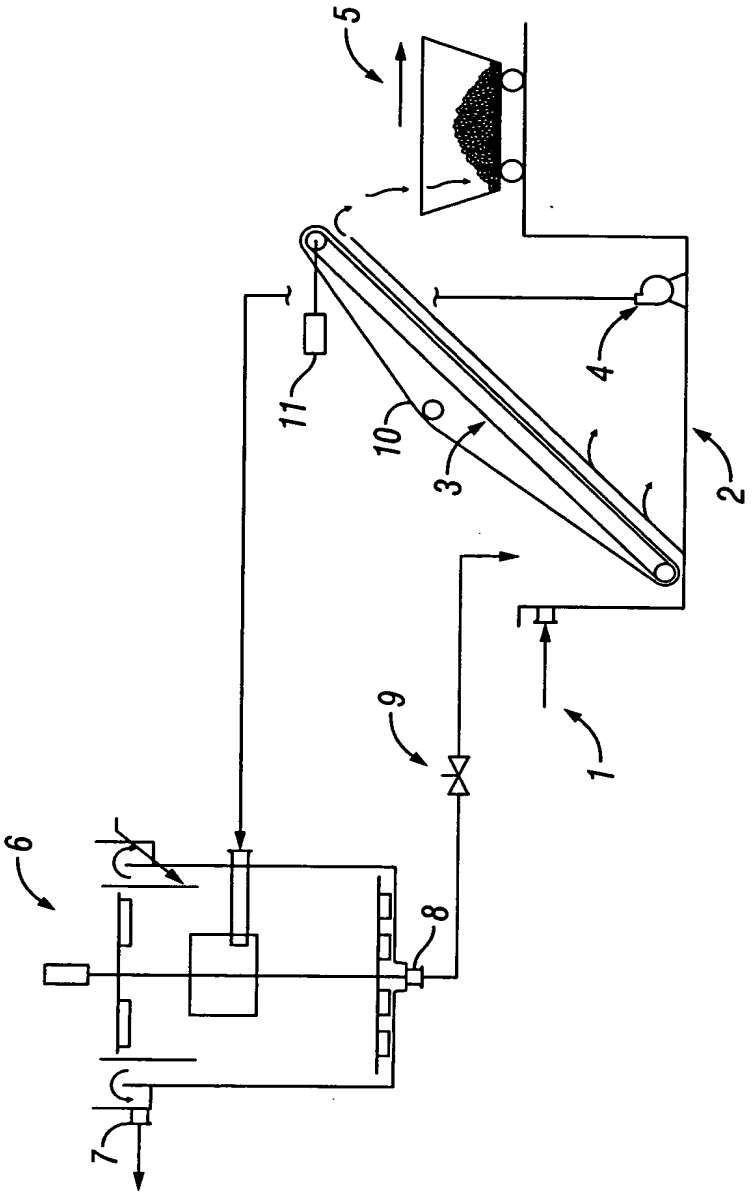



FIG. 1

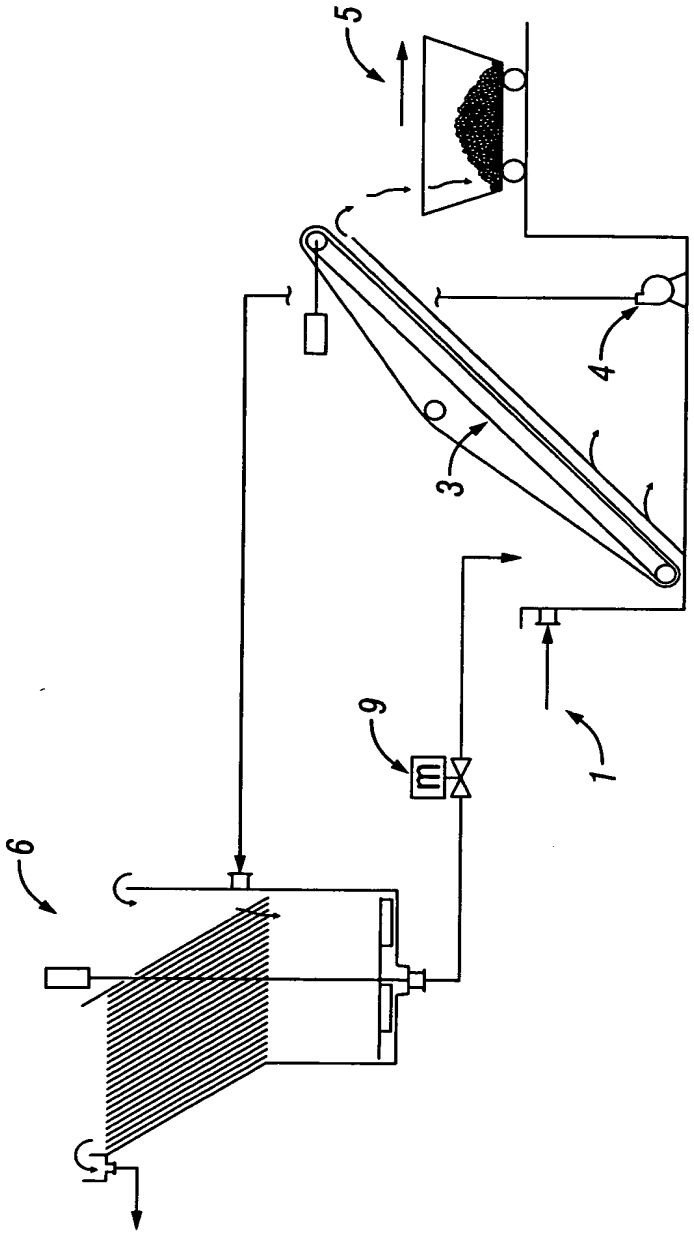
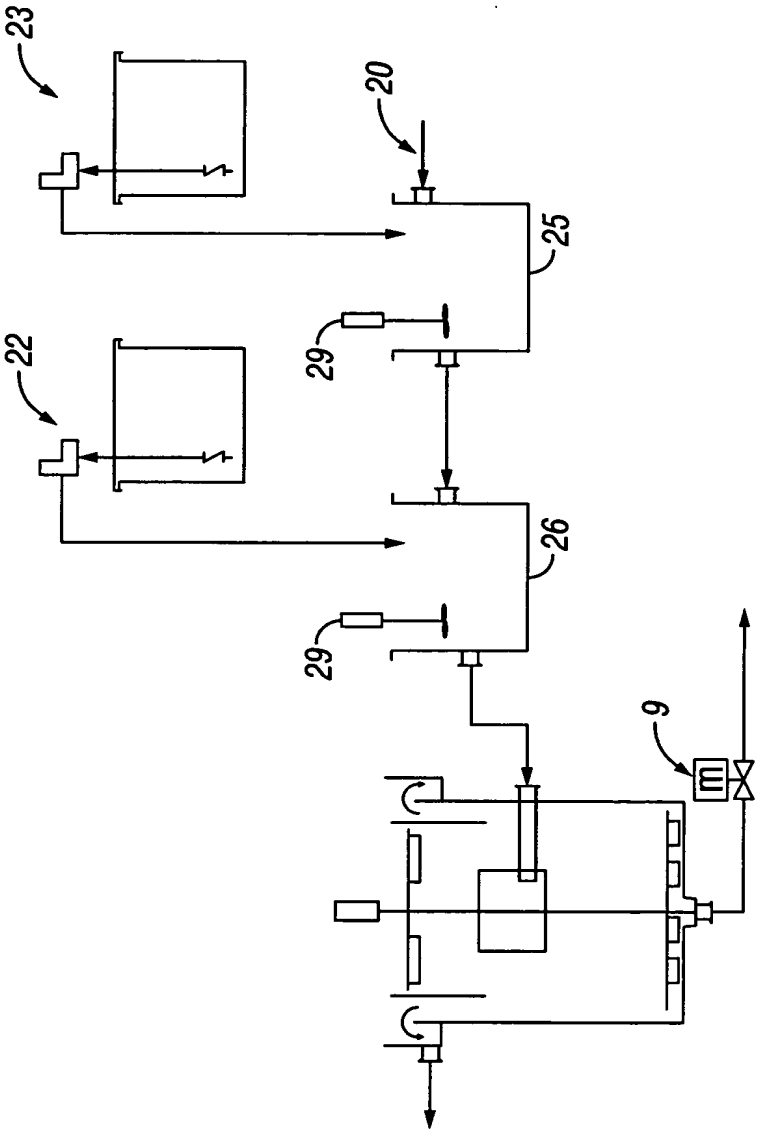



FIG. 2

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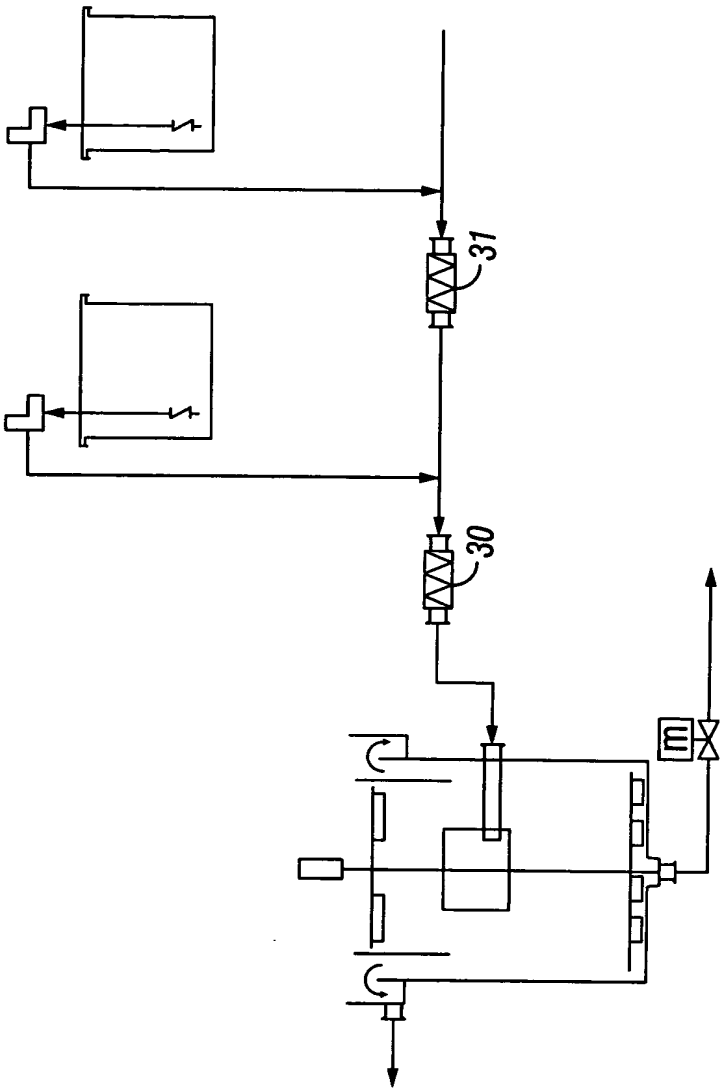



FIG. 4

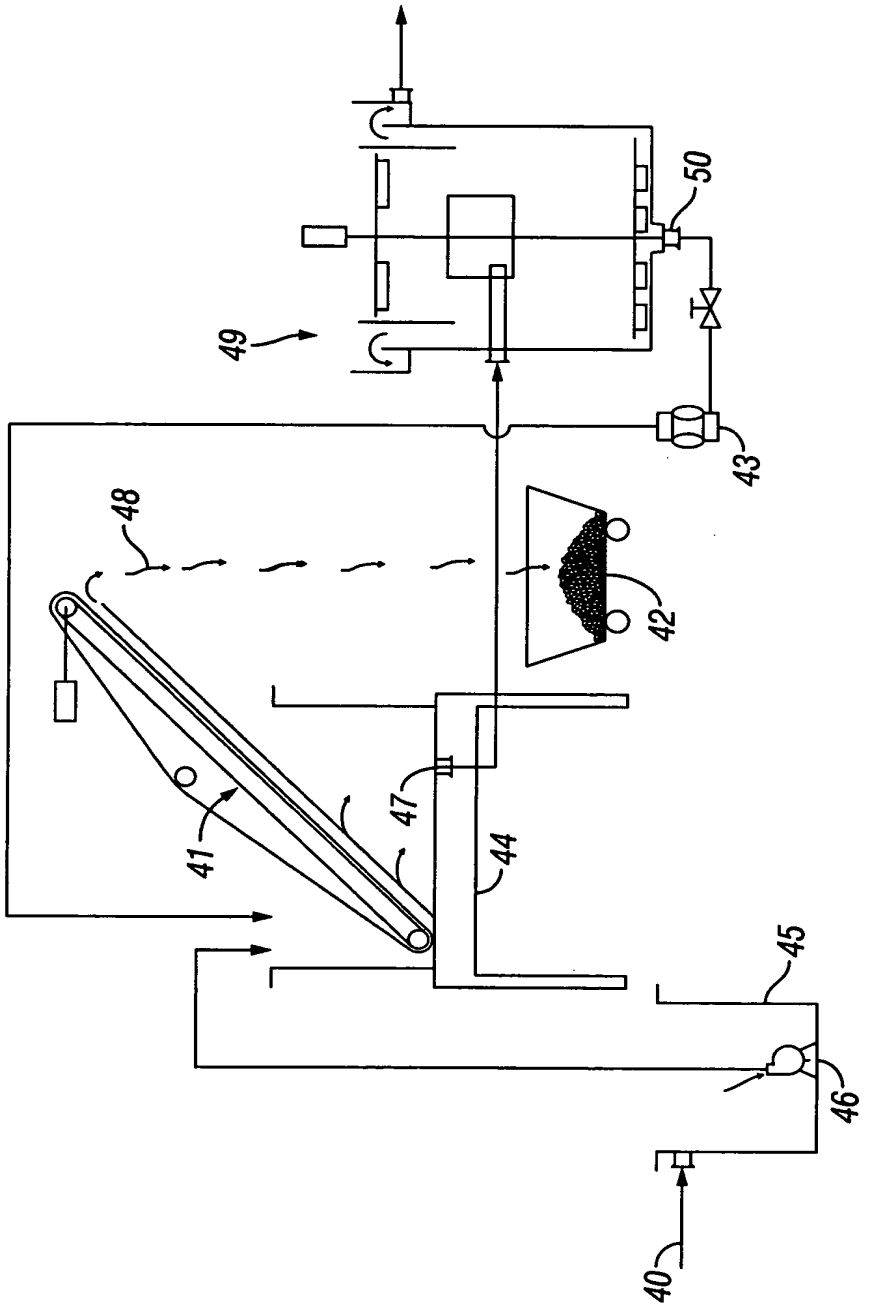



FIG. 5

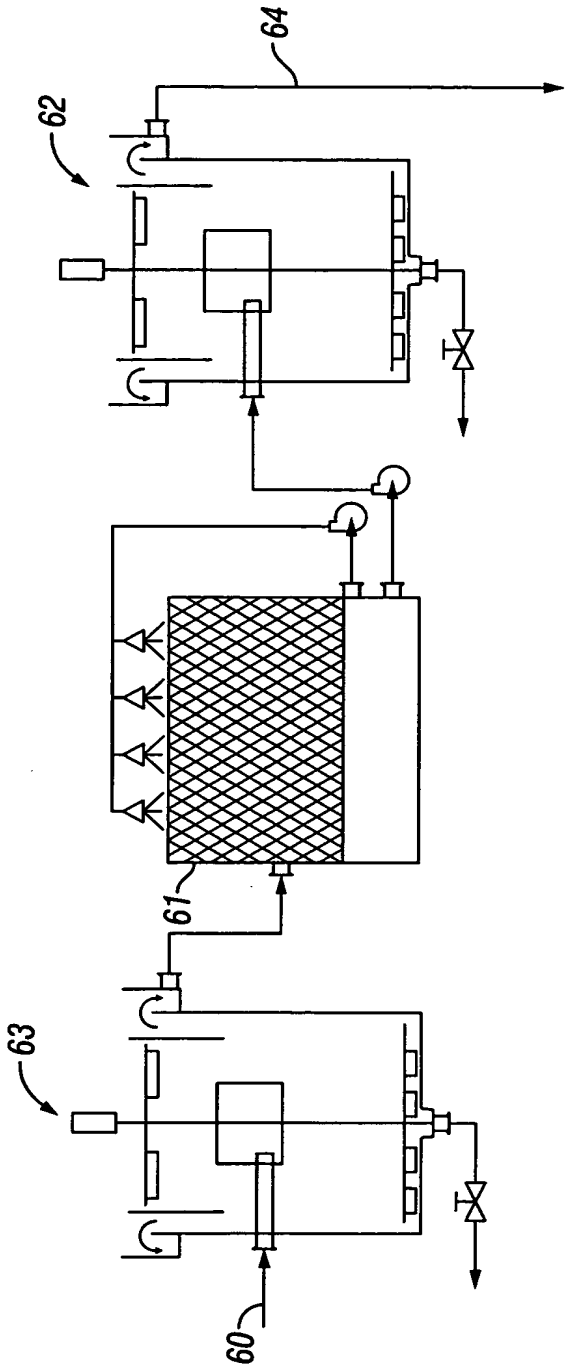



FIG. 6

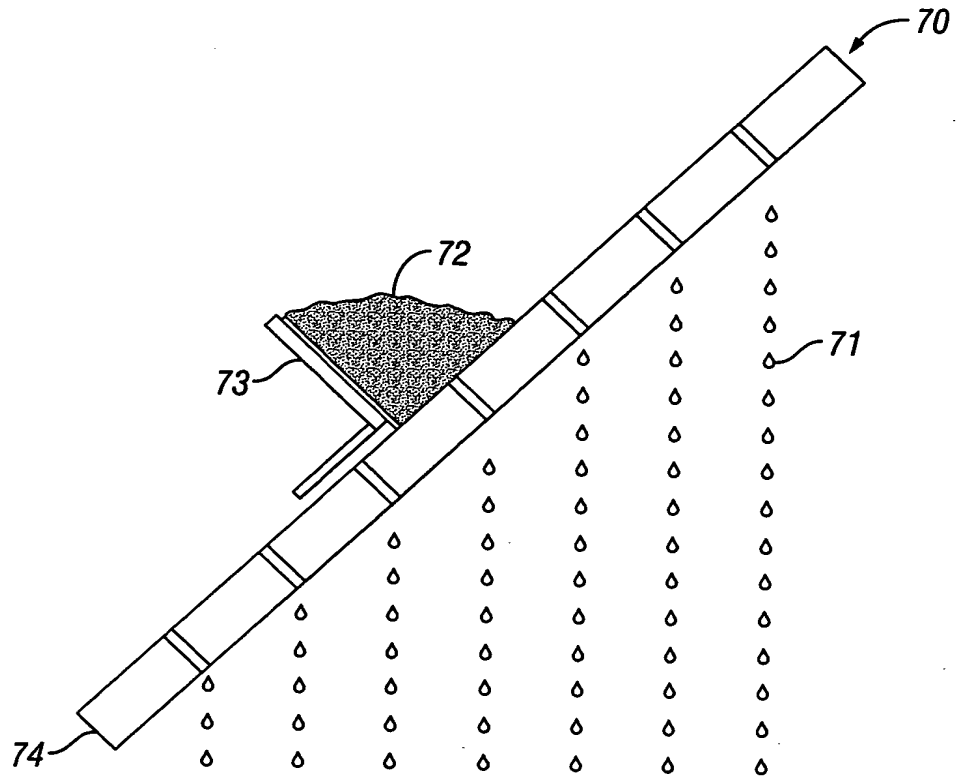



FIG. 7

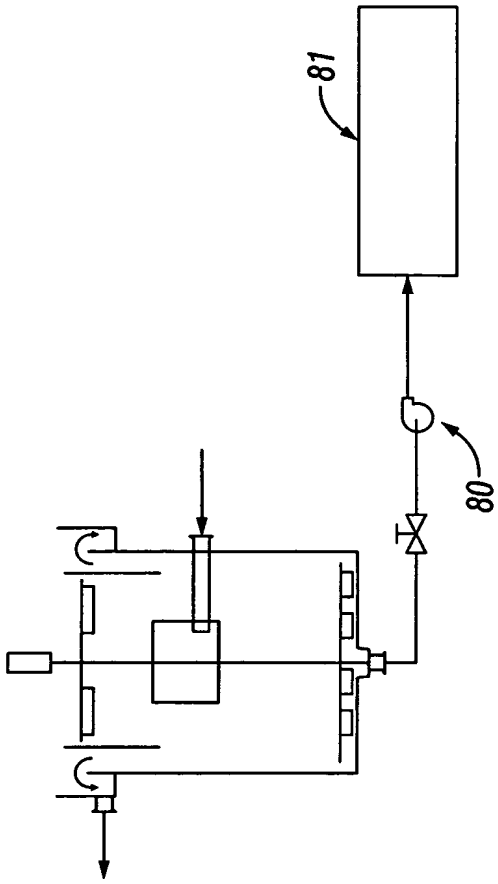



FIG. 8

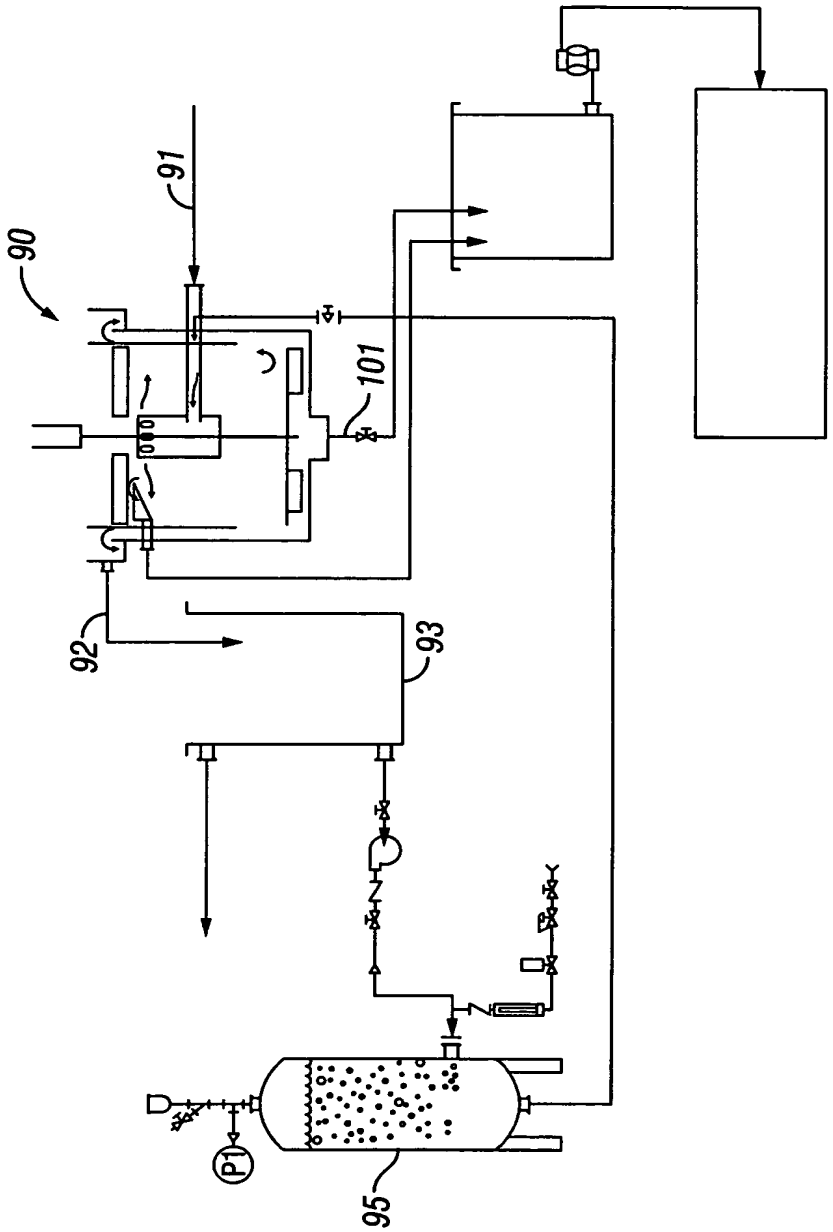



FIG. 9

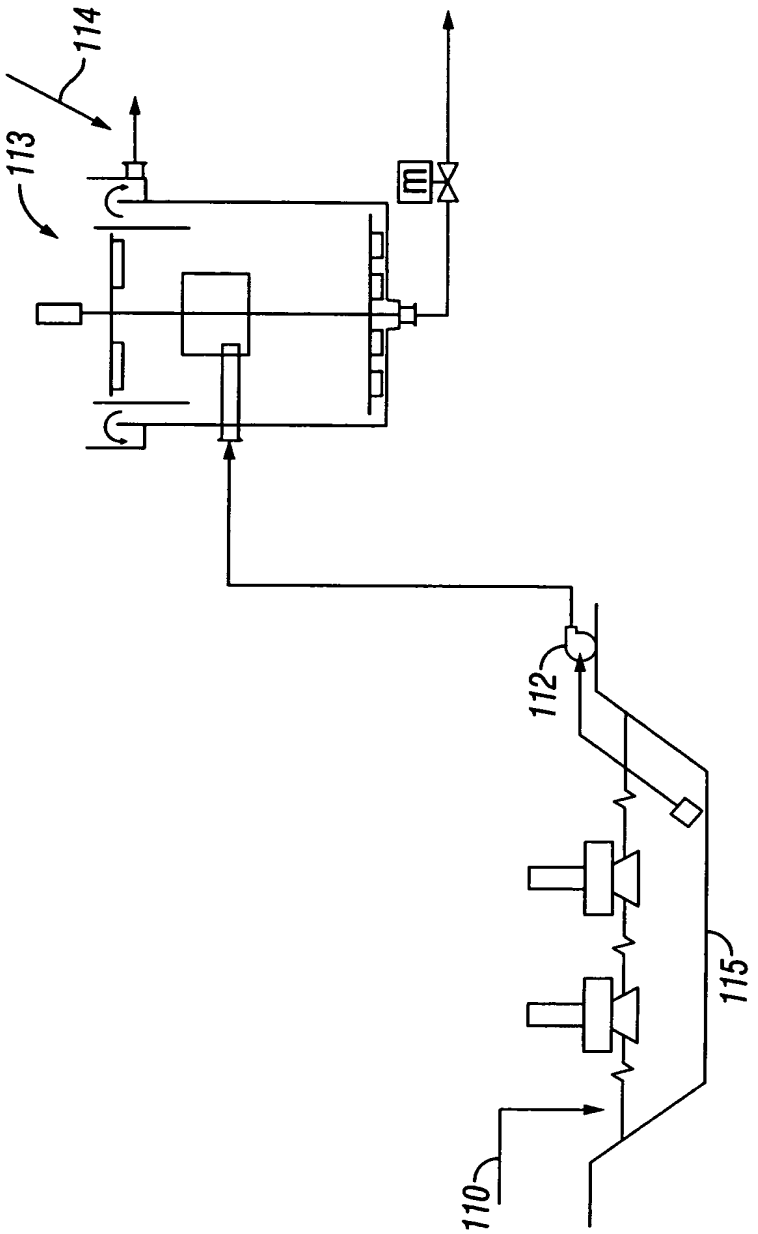
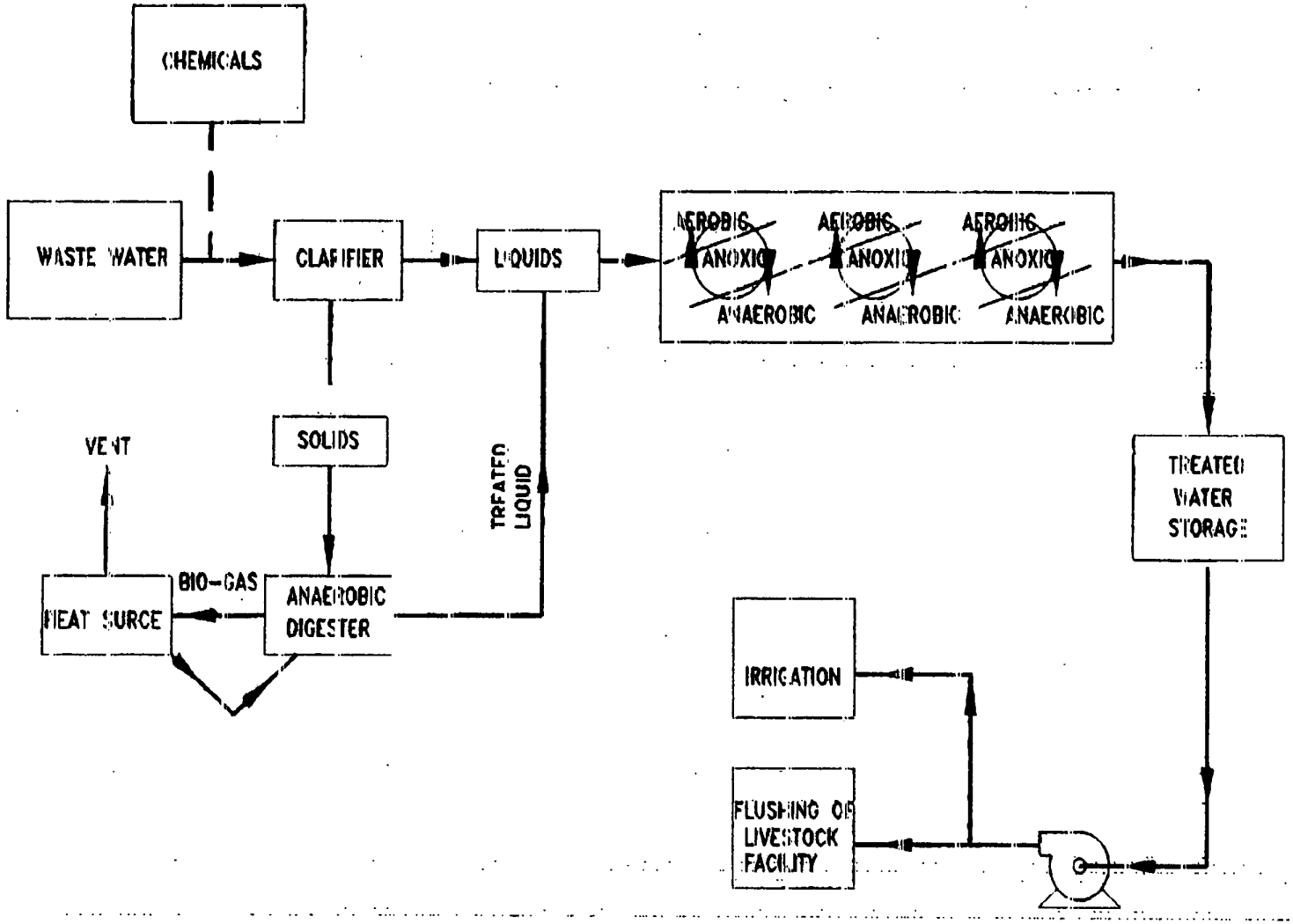



FIG. 10


CHEMICALS
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CLARIFIER
LIQUIDS
AEROBIC
ANOXIC
ANAEROBIC
AEROBIC
ANOXIC
ANAEROBIC
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ANOXIC
ANAEROBIC
TREATED WATER STORAGE
VENT
SOLIDS
TREATED LIQUID
HEAT SURCE
BIO-GAS
ANAEROBIC DIGESTER
IRRIGATION
FLUSHING OF LIVESTOCK FACILITY

FIG. 11

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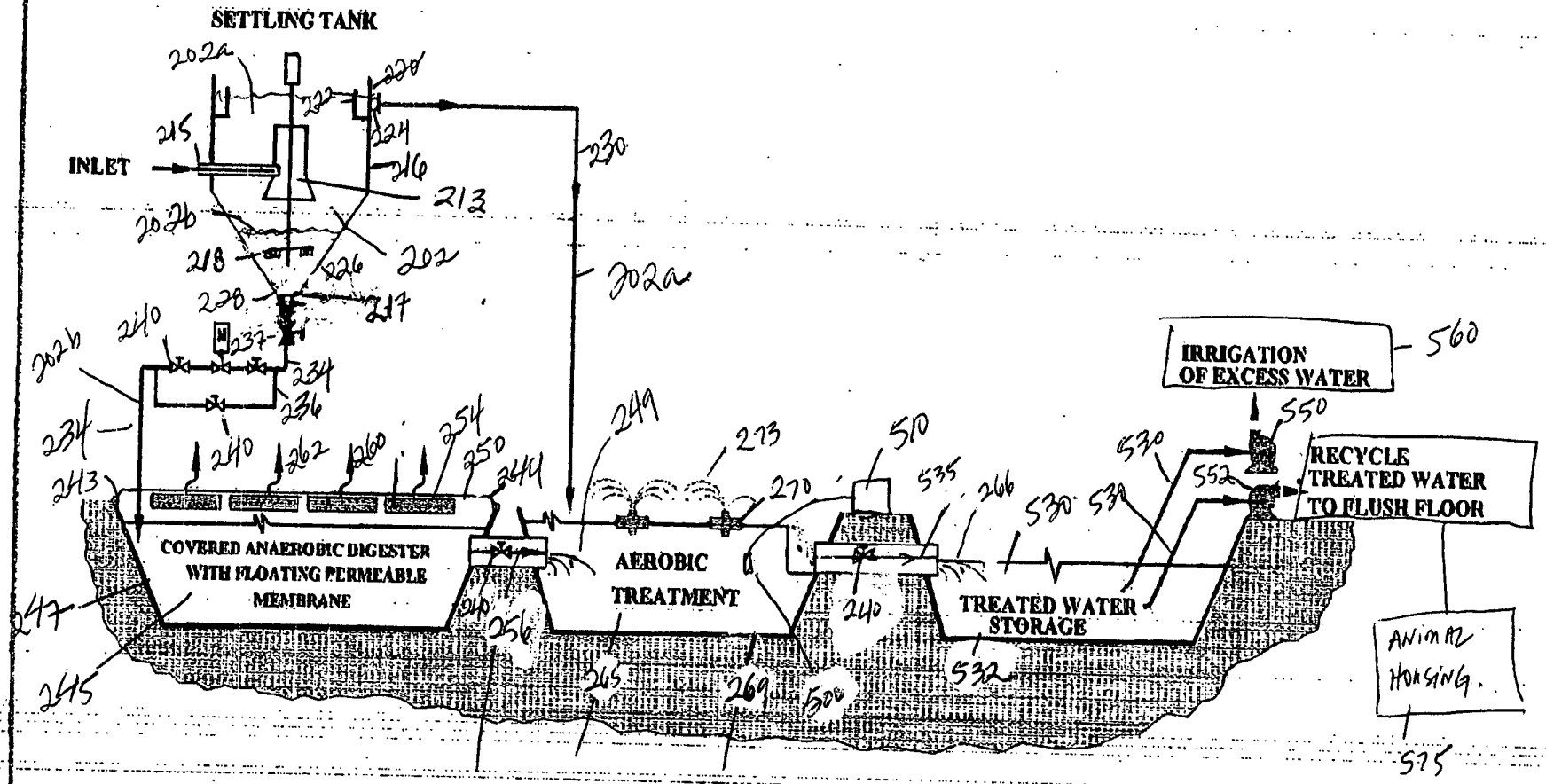


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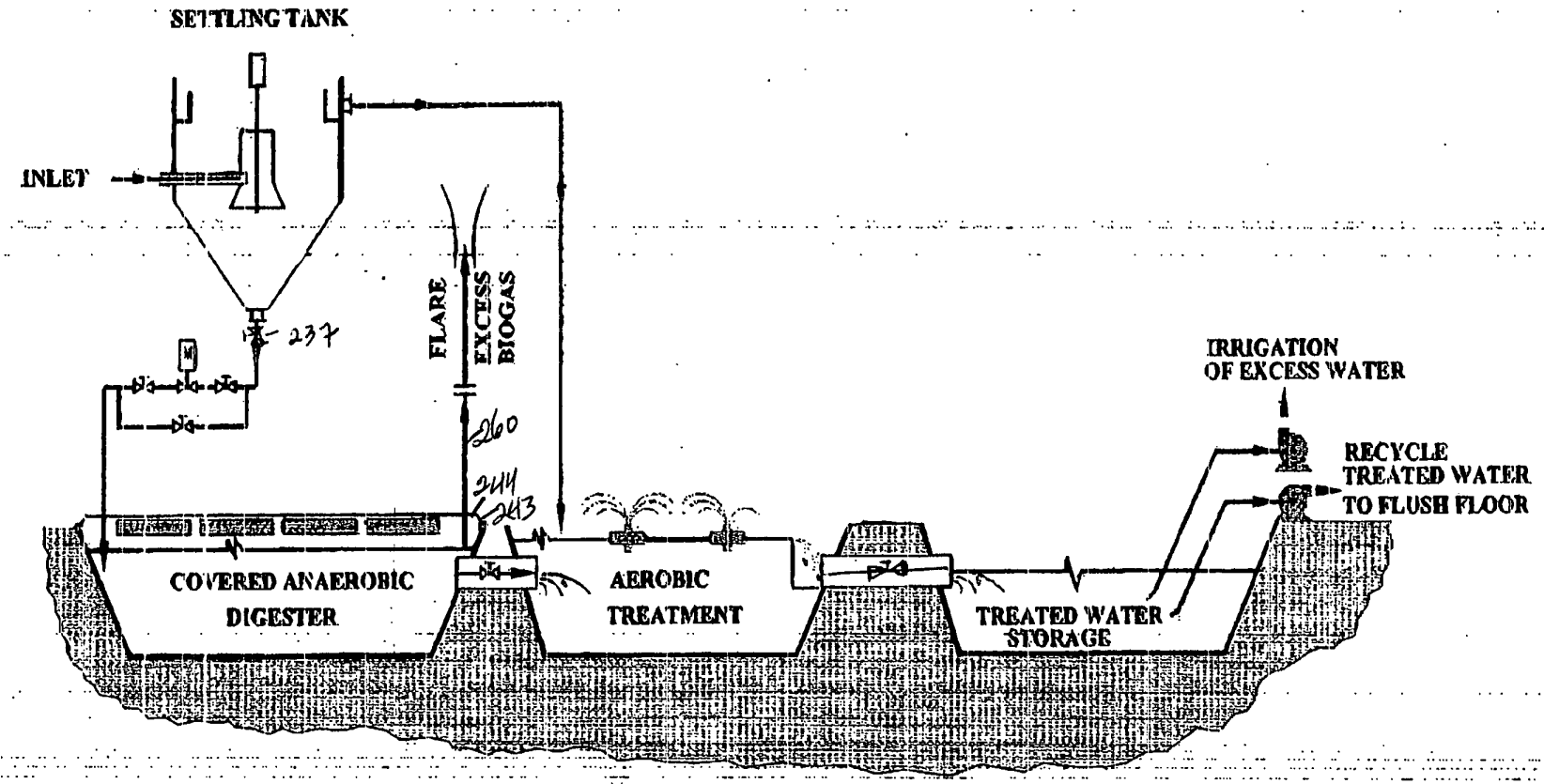
**SETTLING TANK WITH FLOATING PERMEABLE MEMBRANE COVERED ANAEROBIC DIGESTER**

FIG. 12




**SETTLING TANK WITH COVERED ANAEROBIC DIGESTER AND FLARING BIO-GAS**

FIG. 13

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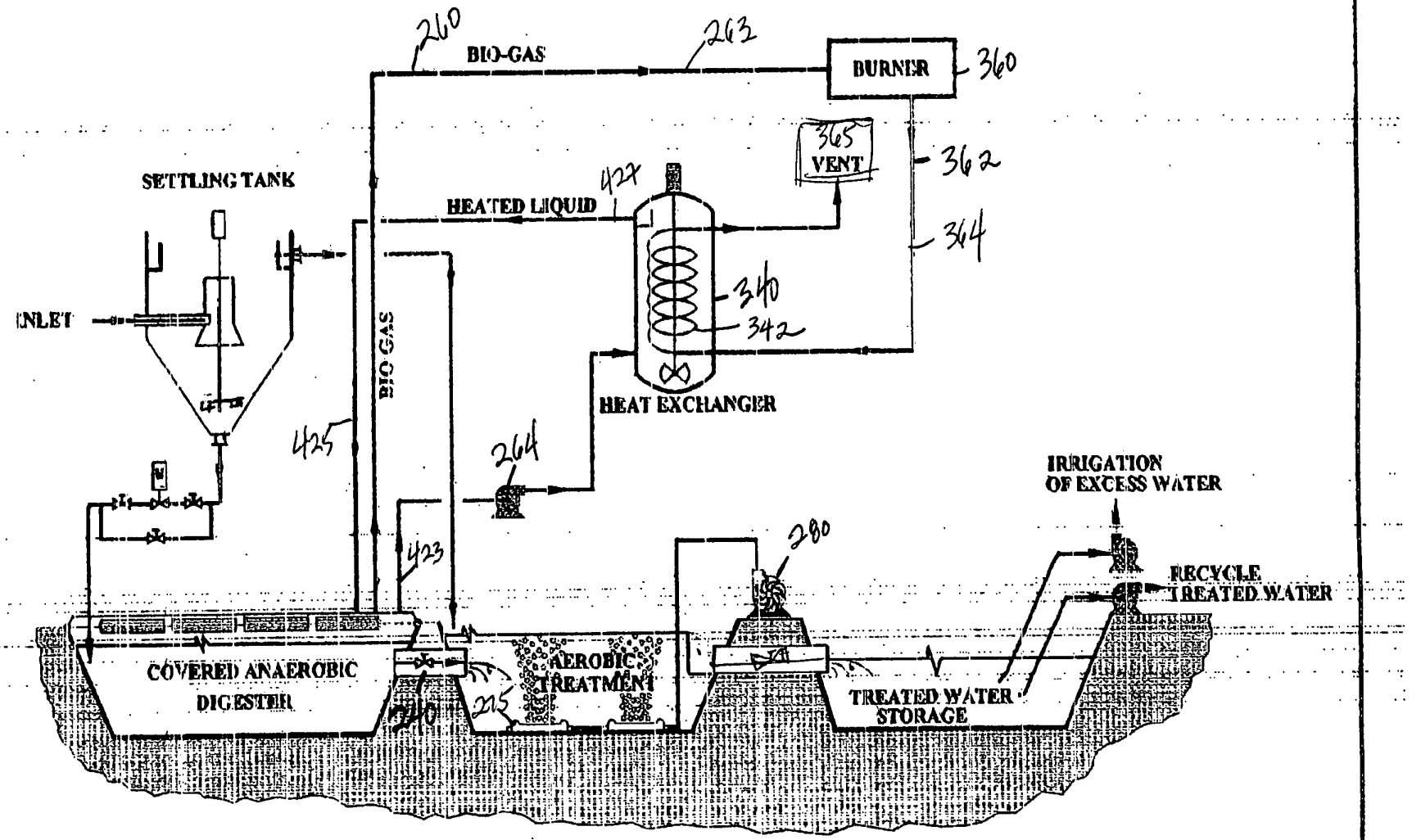
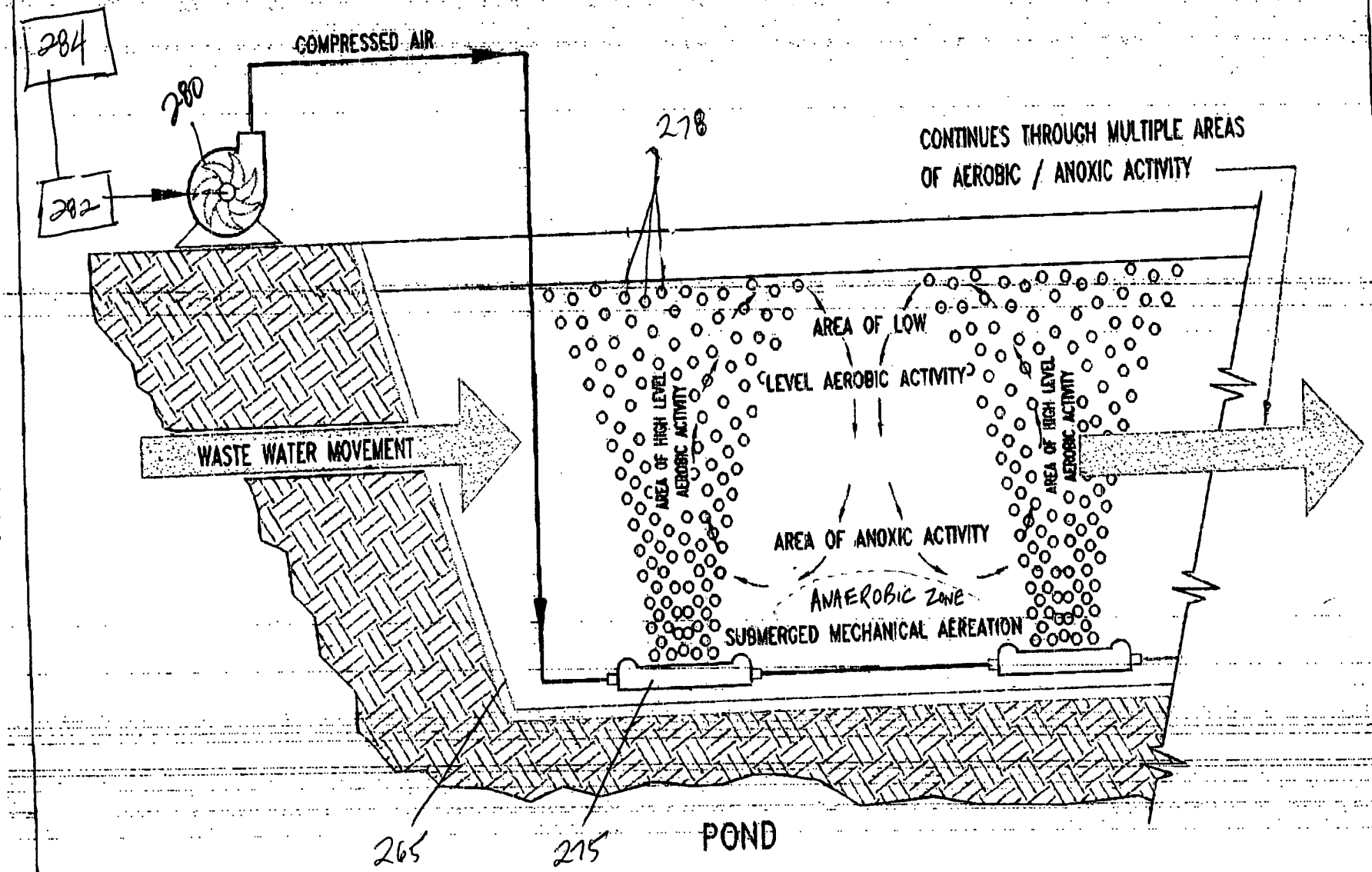



**SETTLING TANK WITH COVERED ANAEROBIC DIGESTER AND UTILIZATION OF BIO-GAS AS FUEL SOURCE**

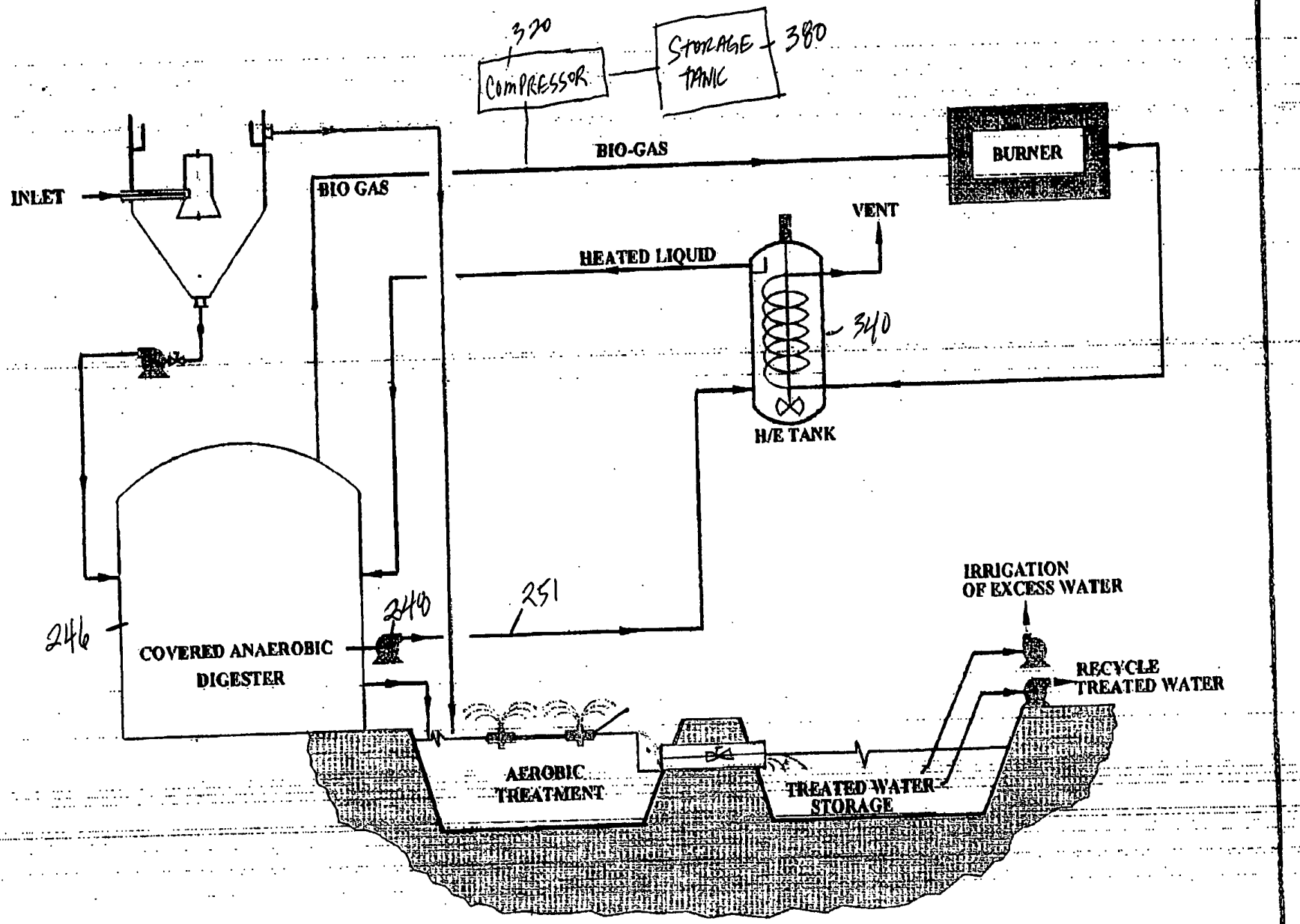
Fig. 14




INTRENSIC BIOLOGICAL NITRIFICATION / DENITRIFICATION

Fig15

15119




**SETTLING TANK WITH ABOVE GRADE ANAEROBIC DIGESTER AND UTILIZATION OF BIO-GAS AS FUEL SOURCE**

FIG. 16

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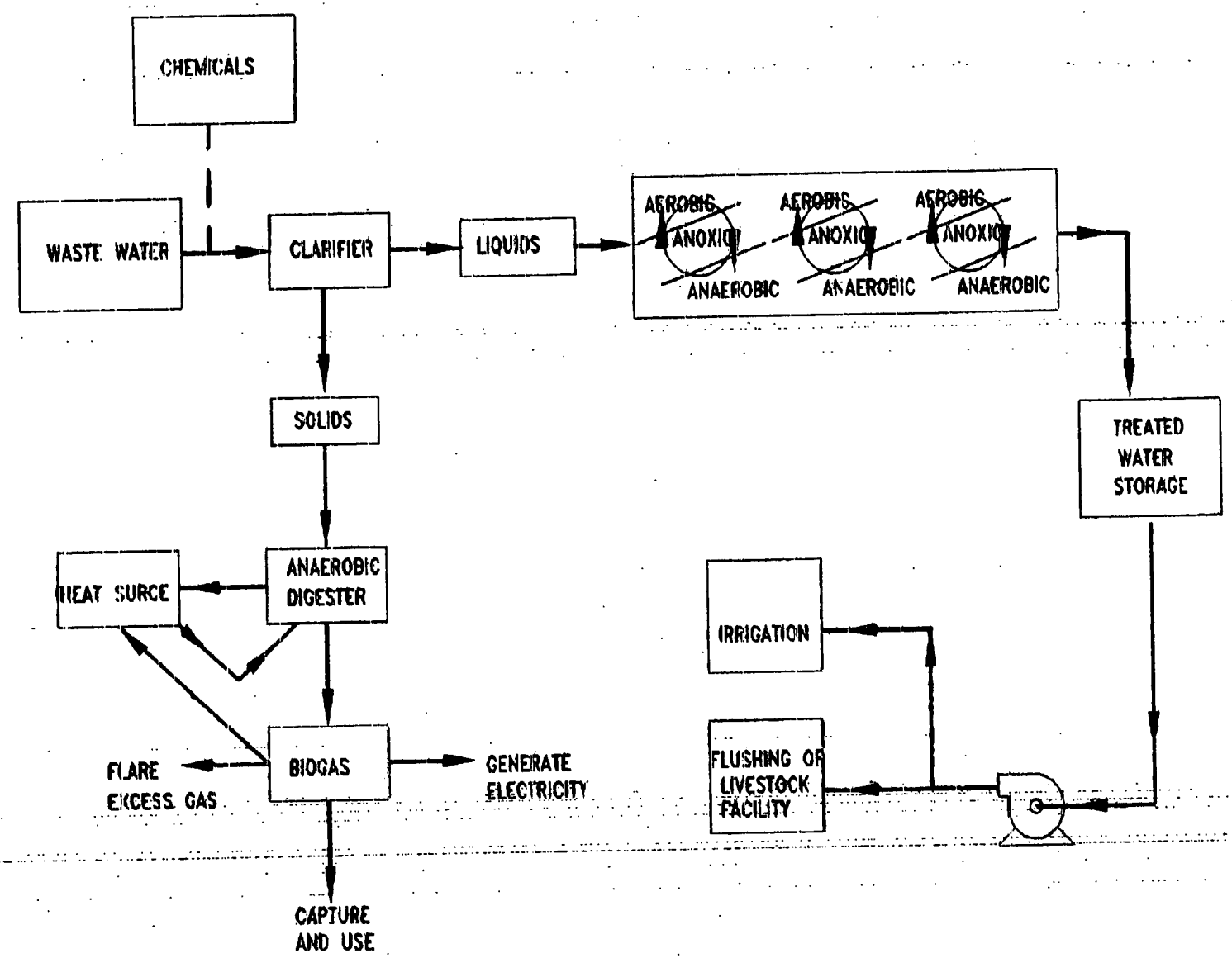
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LIQUIDS
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ANOXIC
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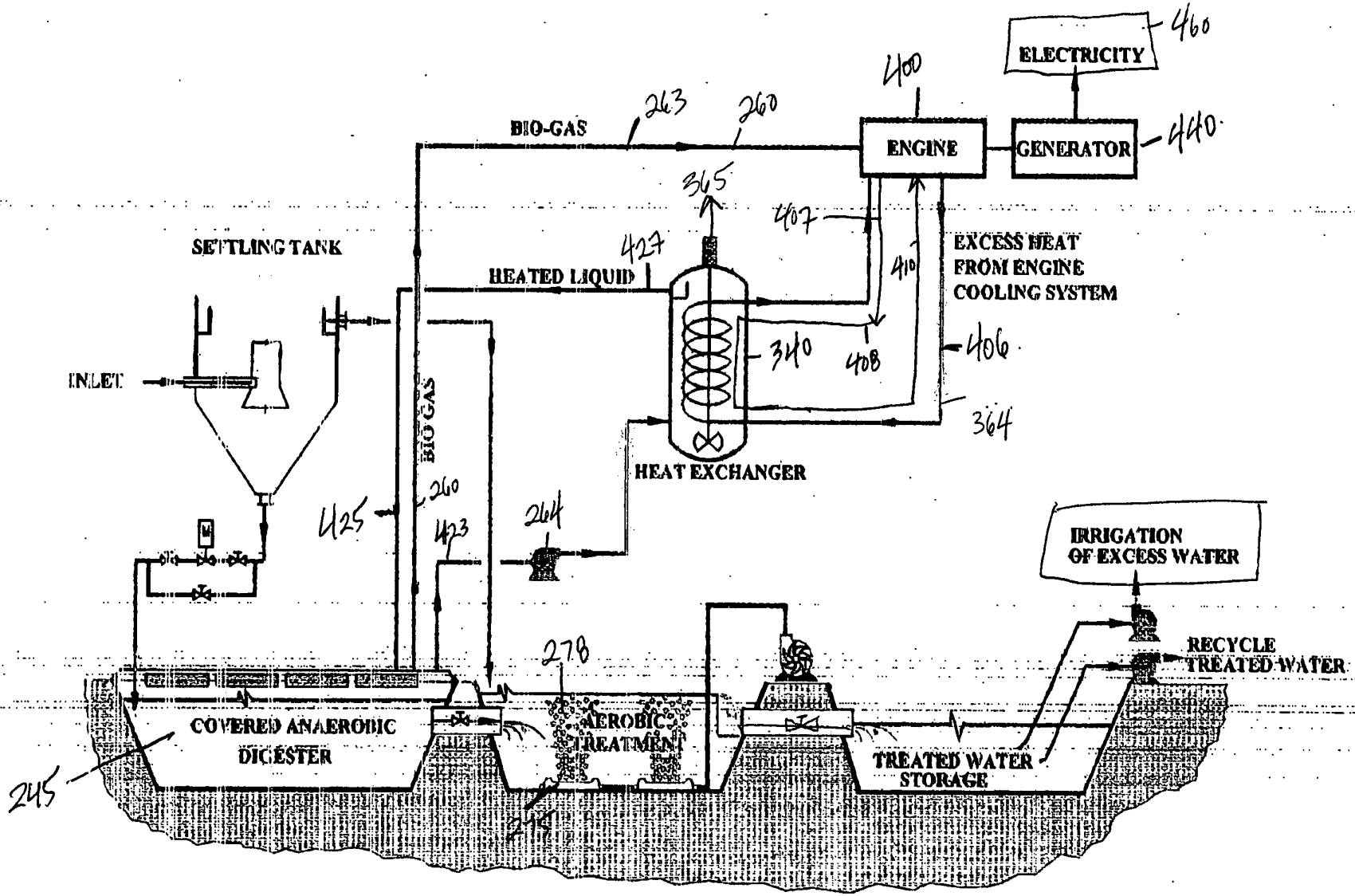
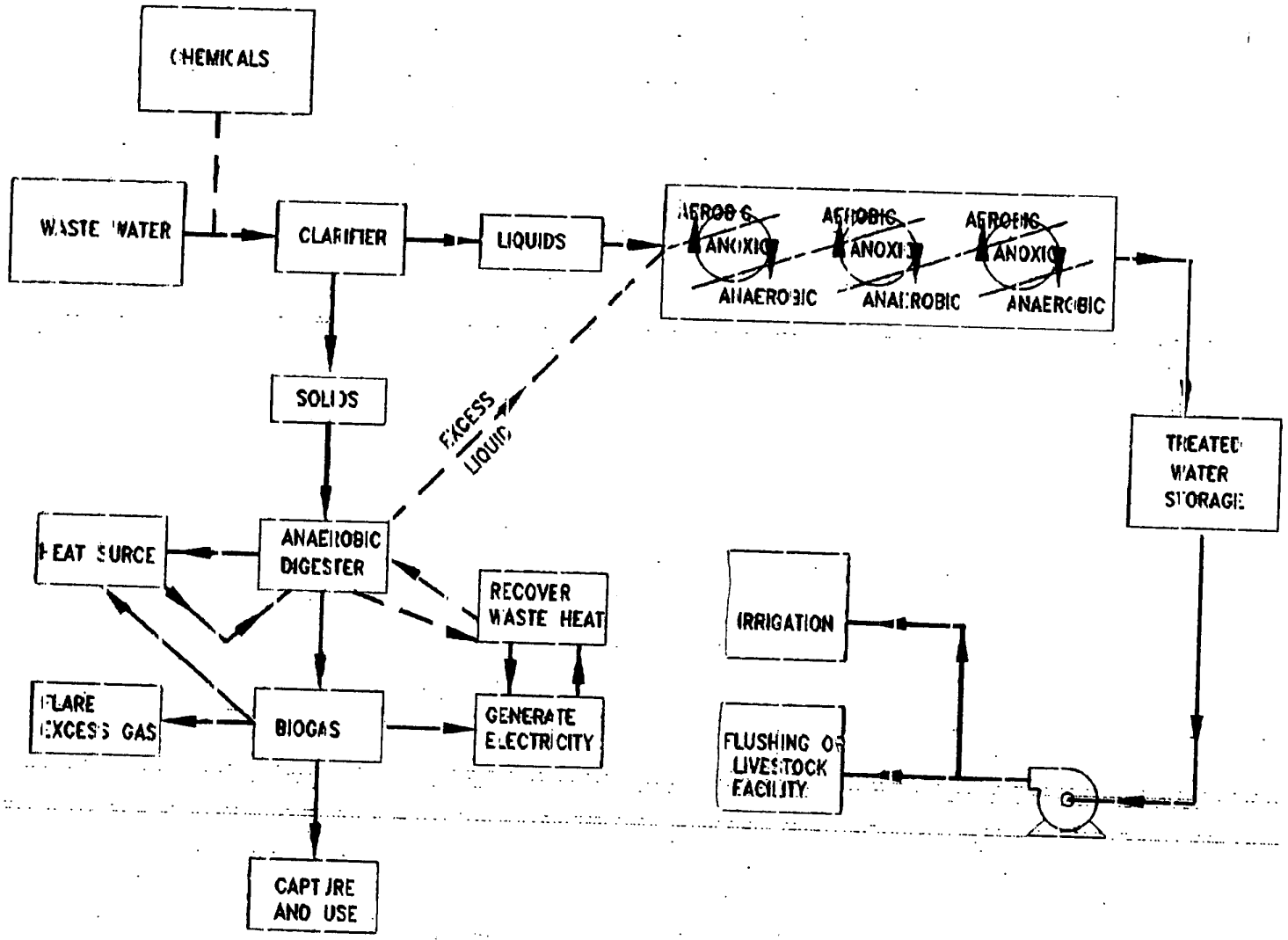
ANOXIC
ANAEROBIC
AEROBIC
ANOXIC
ANAEROBIC
SOLIDS
TREATED WATER STORAGE
HEAT SURCE
ANAEROBIC DIGESTER
IRRIGATION
FLUSHING OR LIVESTOCK FACILITY
FLARE EXCESS GAS
BIOGAS
GENERATE ELECTRICITY
CAPTURE AND USE

Fig. 17




**SETTLING TANK WITH COVERED ANAEROBIC DIGESTER AND UTILIZATION OF BIO-GAS AS FUEL SOURCE OF ELECTRICITY GENERATION**

FIG. 18


CHEMICALS
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CLARIFIER
LIQUIDS
AEROBIC
ANOXIC
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ANOXIC
ANAEROBIC
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ANOXIC
ANAEROBIC
SOLIDS
EXCESS LIQUID
TREATED WATER STORAGE
HEAT SURCE
ANAEROBIC DIGESTER
RECOVER WASTE HEAT
IRRIGATION
FLARE EXCESS GAS
BIOGAS
GENERATE ELECTRICITY
FLUSHING OF LIVESTOCK FACILITY
CAPTURE AND USE

Fig. 19